

# INTERNATIONAL SEARCH REPORT

Application No  
PCT/GB2004/003496

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61N1/34 A61N1/372 A61N1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| P,X        | WO 2004/045711 A (MEDTRONIC INC)<br>3 June 2004 (2004-06-03)<br>page 2, line 17 - page 19, line 10<br>-----                    | 1-9                   |
| X          | US 2001/007950 A1 (FLOWER KIM RANDAL ET AL)<br>12 July 2001 (2001-07-12)<br>paragraph [0002] - paragraph [0305]<br>-----       | 1-9                   |
| X          | US 2001/000187 A1 (PECKHAM PAUL HUNTER ET AL)<br>5 April 2001 (2001-04-05)<br>paragraph [0008] - paragraph [0135]<br>-----     | 1-9                   |
| X          | US 5 370 672 A (FOWLER KIM R ET AL)<br>6 December 1994 (1994-12-06)<br>column 4, line 40 - column 11, line 41<br>-----<br>-/-- | 1-9                   |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

11 November 2004

Date of mailing of the international search report

28. 02. 2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kurze, V

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | US 6 308 102 B1 (FOWLER KIM RANDAL ET AL)<br>23 October 2001 (2001-10-23)<br>column 1, line 7 - column 30, line 28<br>-----    | 1-9                   |
| X          | WO 01/93953 A (ADVANCED NEUROMODULATION<br>SYSTE) 13 December 2001 (2001-12-13)<br>page 4, line 19 - page 22, line 14<br>----- | 1-9                   |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003496

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 23-26  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy; The description, p.1, 1.6, defines the methods as therapeutic, namely for pain treatment. Thus, the methods of stimulation have to be seen as methods of treatment by therapy.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-9

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

Stimulator with user interface for activation zone control  
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2. claims: 1,10,21,22

Stimulator with means for transmitting, processing and  
storing results  
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3. claims: 1,11-16

Stimulator with support member for array of stimulator  
elements  
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4. claims: 1,17

Stimulator with vibrator  
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5. claims: 1,20-22

Stimulator with stimulation intensity and time control  
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Application No

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| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|----|---------------------|----------------------------|---------------------|
| WO 2004045711                             | A  | 03-06-2004          | US 2004098063 A1           | 20-05-2004          |
|   |    |                     | WO 2004045711 A1           | 03-06-2004          |
| US 2001007950                             | A1 | 12-07-2001          | US 6308102 B1              | 23-10-2001          |
|   |    |                     | US 2004059395 A1           | 25-03-2004          |
| US 2001000187                             | A1 | 05-04-2001          | US 6718210 B1              | 06-04-2004          |
| US 5370672                                | A  | 06-12-1994          | NONE                       |                     |
| US 6308102                                | B1 | 23-10-2001          | US 2004059395 A1           | 25-03-2004          |
|   |    |                     | US 2001007950 A1           | 12-07-2001          |
| WO 0193953                                | A  | 13-12-2001          | US 6748276 B1              | 08-06-2004          |
|   |    |                     | AU 7523201 A               | 17-12-2001          |
|   |    |                     | EP 1286723 A1              | 05-03-2003          |
|   |    |                     | WO 0193953 A1              | 13-12-2001          |
|   |    |                     | US 2002116036 A1           | 22-08-2002          |